

ATTACHMENT IV

SUMMARY OF PROPOSED MODIFIED TEXT SUBSEQUENT TO THE HEARING

The following is a summary of the changes to the regulatory amendments staff proposed subsequent to the Board hearing conducted on September 28, 1995. Modifications to the originally noticed text are designated by ***bold italics*** and **~~bold strikeout~~** to represent additions and deletions, respectively.

I. Title 13, California Code of Regulations Section 1956.8(h) and 1960.1(h)(2); California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

A. Pursuant to a request from the Board, staff is amending the original emission standard designation, Super Low-Emission Vehicle (SLEV) to become Super Ultra-Low-Emission Vehicle (SULEV). This modification has been made throughout the regulatory text in Title 13, CCR, Sections 1956.8 and 1960.1 and the test procedures which are incorporated by reference in those sections.

B. Staff is proposing that the intermediate in-use standard for medium-duty ULEVs be effective only for the first two model years of introduction and also that an intermediate in-use compliance standard be in effect for medium-duty SULEVs certifying to the optional heavy-duty engine standards as set forth in Title 13, CCR, Section 19546.8(h), footnote H. (This text is similar to that proposed at the Board hearing with the post-hearing changes in ***underline text***:

H. For engines certified to the 3.5 grams per brake horsepower-hour LEV standards, the in-use compliance standard shall be 3.7 grams per brake horsepower-hour (g/bhp-hr) for the first two model years of introduction. For engines certified to the 2002 and 2003 model year LEV standards, the in-use compliance standard shall be 3.2 g/bhp-hr. For engines certified to the 1992 through 2003 model year ULEV standards, the in-use compliance standard shall be 2.7 g/bhp-hr for the first two model years of introduction. For engines certified to the 1992 and subsequent SULEV standards, the in-use compliance standard shall be 2.2 g/bhp-hr for the first two model years of introduction.

II. Title 13, California Code of Regulations, Section 1960.1, section (h)(2); California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles, sections 3.j, 4, and 6.

A. In Sections 1 (Applicability) 2 (Definitions), 3.d (Formaldehyde Standards) 6.a.2., 6.a.4.(D), 6.b.3, (Demonstrating Compliance) 11.h and 11.i. (Additional Requirements) of the California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles, staff is proposing the addition of the SULEV category to the requirements contained in these sections in order to conform with the certification requirements that are applicable to the TLEV, LEV and ULEV emission categories. The following are examples of the modified text:

Section 6. Demonstrating Compliance

- a. Mileage and Service Accumulation; Emission Measurements
2. ... medium-duty LEVs ***and*** ULEVs ***and SULEVs*** shall accumulate mileage ...
- b. Compliance with Emission Standards
3. (i) Separate emission deterioration factors ... exhaust NMOG (all TLEVs, LEVs, ***and*** ULEVs ***and SULEVs***), exhaust formaldehyde (alcohol vehicles, TLEVs, LEVs, ***and*** ULEVs, ***and SULEVs***), ...
* * * *
- Separate emission correction factors ... exhaust NMOG (all TLEVs, LEVs, ***and*** ULEVs ***and SULEVs***),

Section 11. Additional Requirements

- h. FFV Emission Testing
... not certified to TLEV, LEV, ***or*** ULEV, ***or SULEV*** emission standards: ...
- i. Emission Control System Continuity at Low Temperatures
... certified to TLEV, LEV, ***or*** ULEV, ***or SULEV*** standards ...

III. Title 13, California Code of Regulations, Section 1960.1, section (g)(1); California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles, section 3.g

A. In the originally noticed text, staff proposed a 50,000 mile intermediate in-use standard for passenger cars and light-duty trucks 0-3750 loaded vehicle weight of 0.090 grams per mile NMOG for the 1999 model year. Staff is proposing to slightly adjust this standard to 0.100 grams per mile NMOG in order to avoid potential calibration revisions for just one year of production.

Vehicle Type	Durability Vehicle Basis	LEV (g/mi)			ULEV (g/mi)			
		Model Year	NMOG	NOx	Model Year	NMOG	CO	NOx
PCs, 0-3750 lb. LVW LDTs	50,000	through 1998	0.100	0.3	through 1998	0.058	2.6	0.3

	<u>50,000</u>	<u>1999</u>	0.090 <u>0.100</u>	<u>0.3</u>	<u>1999-2002</u>	<u>0.055</u>	<u>2.1</u>	<u>0.3</u>
	<u>100,000</u>		<u>0.125</u>	<u>0.4</u>	<u>1999-2002</u>	<u>0.075</u>	<u>3.4</u>	<u>0.4</u>
<u>3751-5750 lb. LVW</u> <u>LDTs</u>	<u>50,000</u>	<u>through</u> <u>1998</u>	<u>0.128</u>	<u>0.5</u>	<u>through</u> <u>1998</u>	<u>0.075</u>	<u>3.3</u>	<u>0.5</u>
	<u>50,000</u>	<u>1999</u>	<u>0.130</u>	<u>0.5</u>	<u>1999-2002</u>	<u>0.070</u>	<u>2.8</u>	<u>0.5</u>
	<u>100,000</u>		<u>0.160</u>	<u>0.7</u>	<u>1999-2002</u>	<u>0.100</u>	<u>4.4</u>	<u>0.7</u>